

## **ABSTRACT**

### **PROCESS FOR THE PREPARATION OF A CATIONIC NANOEMULSION, AND COSMETIC COMPOSITION**

The present invention relates to a process for the preparation of a cationic nanoemulsion. This process comprises steps which consist in mixing at least one fatty compound and at least one non-ionic surfactant, in adding water to give a nanoemulsion of the oil-in-water type, and finally in adding at least one cationic surfactant.

The choice of proportions of the components of the nanoemulsion is made on the basis of the ternary phase diagram fatty phase/non-ionic emulsifying phase/water, the fatty phase consisting of at least one fatty compound and the non-ionic emulsifying phase consisting of at least one non-ionic surfactant, so as to fall within the formation zone p of the nanoemulsion.

The invention further relates to a cosmetic composition in the form of a cationic nanoemulsion obtainable by the process of the invention.

Reference: single Figure